

# 16-2-xxA & 16-2-xxC Series

## Defence Standard 61-12 Part 5

**PRO-POWER**  
Quality Cables



### Applications

These cables are suitable as interconnections between and within instruments and electrical equipment for such applications as data transmission and process control.

### Technical Data

Maximum conductor temperature	: +70°C.
Minimum ambient temperature	: -55°C after installation and only when cable is in a fixed position.
Current rating	: Maximum of 2.5A per core.
Maximum working voltage (U <sub>o</sub> /U)	: (U <sub>o</sub> /U) 440V r.m.s at frequencies up to 1600Hz.
Test voltage	: 2KV r.m.s. between conductors and between conductors and screen, where applicable.
Maximum conductor resistance	: 40.1Ω/Km at 20°C.
Minimum insulation resistance	: 11MΩ/Km at 20°C.
Conductor area	: 0.5mm <sup>2</sup> per core.
Spread of flame	: BS EN 50265-2-1 : Part 1, HD 405-1, IEC 332-1

### DEF STAN 61-12 Part 5

#### Type A Unshielded

##### Construction

- 16/0.2mm (0.5mm<sup>2</sup>) tinned annealed copper conductor.
- Type 16-2-A PVC sheathed overall to BS 6746 having the colours listed in the 'Identification' table.
- PVC insulated, Polyester binder tape.

### DEF STAN 61-12 Part 5

#### Type C Screened

##### Construction

- 16/0.2mm(0.5mm<sup>2</sup>) tinned annealed copper conductors.
- Type 16-2-C PVC sheathed overall to BS 6746 having the colours listed in the 'Identification' table.
- PVC insulated, Polyester binder tape, tinned copper braid screened overall.

### DEF STAN 61-12 Part 5 - Screened

#### Specifications:

Conductors	: 16/0.2mm.
Voltage Rating	: 440V (RMS).
Conductor Area	: 0.5mm <sup>2</sup> per core.
Sheath Colour	: Black.
Maximum Current per core	: 2.5A.
Maximum Operating Temperature	: 70°C

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### PHYSICAL DATA

Cable Reference	Number of Cores	Nominal Diameter	Reel Length (m)	Type	Part Number
16-2-1C	1	3.8	100	Screened	860038 100M
16-2-2C	2	6.9	25		860008
			100		860008 100M
16-2-3C	3	7.2	25		860155 25M
			100		860155 100M
16-2-4C	4	7.7	25		860009
			100		860009 100M
16-2-6C	6	8.7	25		860010
			100		860010 100M
16-2-8C	8	9.2	25		860011 25M
			100		860011 100M
16-2-12C	12	11.0	25		860012 25M
			100		860012 100M
16-2-18C	18	12.5	25		MCCP-1620T-N18C-AXX-61
			100		MCCP-1620T-N18C-AXX-64
16-2-25C	25	14.6	25		MCCP-1620T-N25C-AXX-61
			100		7001551
16-2-2A	2	5.9	25		850009
			100		850009 100M
16-2-3A	3	6.2	25		850038
			100	850038 :	
16-2-4A	4	6.7	25	850010	
			100	850010 100M	
16-2-6A	6	7.7	25	850011	
			100	850011 100M	
16-2-8A	8	8.5	25	850077 25M	
			100	850077	
16-2-12A	12	9.9	25	850013	
			100	850013 100M	
16-2-18A	18	11.5	25	850014	
			100	7001562	
16-2-25A	25	13.6	25	850015	
			100	850015 100M	

Dimensions : Millimetres (Unless Specified)

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### IDENTIFICATION

Number of Cores	Colour
1	Red
2	Blue
3	Green
4	Yellow
5	White
6	Black
7	Brown
8	Violet
9	Orange
10	Pink
11	Turquoise
12	Grey
13	RED/Blue
14	GREEN/Red
15	YELLOW/Red
16	WHITE/Red
17	RED/Black
18	RED/Brown
19	YELLOW/Blue
20	WHITE/Blue
21	BLUE/Black
22	ORANGE/Blue
23	GREEN/Blue
24	GREY/Blue
25	YELLOW/Green
26	WHITE/Green
27	GREEN/Black
28	ORANGE/Green
29	GREY/Green
30	YELLOW/Brown
31	WHITE/Brown
32	BROWN/Black
33	GREY/Brown
34	YELLOW/Violet
35	VIOLET/Black
36	WHITE/Violet

**Note:** For bi-coloured cores the base colour is shown in capitals. Cables with more than 36 cores have a Red and a Blue core laid adjacent to one another in each layer, the remainder of the cores being White.

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### Notes:

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Fax No: ++ 46 8 83 52 62

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